

To: 'Rockabrand, Ryan'[rrockabrand@sbcoem.org]; Patrick D Hodgins[PDHodgins@paalp.com]; 'Boggs, Melissa@Wildlife'[Melissa.Boggs@wildlife.ca.gov]
Cc: Gold, Jennifer@Wildlife[Jennifer.Gold@wildlife.ca.gov]; jennifer.f.williams@uscg.mil[jennifer.f.williams@uscg.mil]; Waldon, MARGARET[Waldon.Margaret@epa.gov]; Corbo, Christian@Wildlife[Christian.Corbo@wildlife.ca.gov]; Crossland, Mark@Wildlife[Mark.Crossland@wildlife.ca.gov]; Troy, Robert[rtroy@sbcoem.org]; Tre Wharton (Tre.Wharton@c-ka.com)[Tre.Wharton@c-ka.com]; Connell, Michael@Wildlife[Michael.CConnell@wildlife.ca.gov]; Ryan P Andersen[RPAnderсен@paalp.com]; wade.bryant@c-ka.com[wade.bryant@c-ka.com]; tom.crosby@stantec.com[tom.crosby@stantec.com]; 'refugiodocl@gmail.com' (refugiodocl@gmail.com)[refugiodocl@gmail.com]; RefugioSITL@gmail.com[RefugioSITL@gmail.com]; James C Buchanan[JCBuchanan@paalp.com]
From: Christopher J Lauer
Sent: Wed 9/2/2015 3:51:31 PM
Subject: RE: Section 5 Monitoring Plan

All,

Please remember that the *Section 5 – Cliff Face Monitoring Plan* states 24-hour storm event and not 1-day.

“Monitoring of Section 5 will not be considered complete until an inspection is completed following a significant rain event defined as 3.5 inches or more in a 24 hour period at Section 5 as indicated by data from the rainfall monitoring stations discussed in Section 4.1.”

It is much more likely that 3.5” of rain will fall within a 24-hour window than within 1 calendar day. This is especially more likely considering that 2015 is an “El Niño” year where warmer temperatures in the Pacific Ocean lead to warmer temperatures and increased rainfall totals in central and southern California.

Christopher J. Lauer, P.G.

Environmental Remediation & Compliance Specialist

Office 713-646-4674

Cell 832-904-5247



PLAINS
PIPELINE, L.P.

From: Rockabrand, Ryan [mailto:rockabrand@sbcoem.org]

Sent: Wednesday, September 02, 2015 10:35 AM

To: Patrick D Hodgins; 'Boggs, Melissa@Wildlife'

Cc: Gold, Jennifer@Wildlife; jennifer.f.williams@uscg.mil; waldon.margaret@epa.gov; Corbo, Christian@Wildlife; Crossland, Mark@Wildlife; Troy, Robert; Tre Wharton (Tre.Wharton@c-ka.com); Connell, Michael@Wildlife; Ryan P Andersen; wade.bryant@c-ka.com; Christopher J Lauer; tom.crosby@stantec.com; 'refugiodocl@gmail.com' (refugiodocl@gmail.com); RefugioSITL@gmail.com

Subject: RE: Section 5 Monitoring Plan

Questions:

When was the last time the area had 3.5 inches of rain in a single day?

Answer: 12/19/2010 – 3.78” (Santa Barbara)

(Has occurred 45 times over 116 year Rainfall record in Santa Barbara – 2 year average recurrence interval)

How does that compare to 100 year or 500 year event data?

Answer: 100 year 24-hr event = 7.24” / 500 year 24-hr event = 8.97”

----- Original message -----

From: Patrick D Hodgins <PDHodgins@paalp.com>

Date: 9/2/2015 8:30 AM (GMT-08:00)

To: "'Boggs, Melissa@Wildlife'" <Melissa.Boggs@wildlife.ca.gov>, "Rockabrand, Ryan" <rrockabrand@sbcoem.org>

Cc: "Gold, Jennifer@Wildlife" <Jennifer.Gold@wildlife.ca.gov>, jennifer.f.williams@uscg.mil, waldon.margaret@epa.gov, "Corbo, Christian@Wildlife" <Christian.Corbo@wildlife.ca.gov>, "Crossland, Mark@Wildlife" <Mark.Crossland@wildlife.ca.gov>, "Troy, Robert" <rtroy@sbcoem.org>, "Tre Wharton (Tre.Wharton@c-ka.com)" <Tre.Wharton@c-ka.com>, "Connell, Michael@Wildlife" <Michael.Connell@wildlife.ca.gov>, Ryan P Andersen <RPAnderсен@paalp.com>, wade.bryant@c-ka.com, Christopher J Lauer <CJLauer@paalp.com>, tom.crosby@stantec.com, "'refugiodocl@gmail.com'" (refugiodocl@gmail.com)" <refugiodocl@gmail.com>, RefugioSITL@gmail.com

Subject: RE: Section 5 Monitoring Plan

I got an answer from our environmental folks.

The 3.5 inches is a 1-2 year rain event.

Plains approves the Section 5 Plan

Patrick D. Hodgins

Senior Director Safety & Security

Plains All American

333 Clay, Suite 1600

Houston, Texas 77002

713-646-4152 - office

281-467-3658 - cell

pdhodgins@paalp.com



From: Boggs, Melissa@Wildlife [<mailto:Melissa.Boggs@wildlife.ca.gov>]
Sent: Wednesday, September 02, 2015 10:27 AM
To: Rockabrand, Ryan
Cc: Gold, Jennifer@Wildlife; Patrick D Hodgins; jennifer.f.williams@uscg.mil; waldon.margaret@epa.gov; Corbo, Christian@Wildlife; Crossland, Mark@Wildlife; Troy, Robert; Tre Wharton (Tre.Wharton@c-ka.com); Connell, Michael@Wildlife; Ryan P Andersen; wade.bryant@c-ka.com; Christopher J Lauer; tom.crosby@stantec.com; 'refugiodocl@gmail.com' (refugiodocl@gmail.com); RefugioSITL@gmail.com
Subject: Re: Section 5 Monitoring Plan

Thanks Ryan.

Melissa Boggs

On Sep 2, 2015, at 7:18 AM, Rockabrand, Ryan <rrockabrand@sbcoem.org> wrote:

Researching

----- Original message -----

From: "Gold, Jennifer@Wildlife" <Jennifer.Gold@wildlife.ca.gov>

Date: 9/1/2015 8:15 PM (GMT-08:00)

To: Patrick D Hodgins <PDHodgins@paalp.com>

Cc: jennifer.f.williams@uscg.mil, waldon.margaret@epa.gov, "Corbo, Christian@Wildlife" <Christian.Corbo@wildlife.ca.gov>, "Crossland, Mark@Wildlife" <Mark.Crossland@wildlife.ca.gov>, "Rockabrand, Ryan" <rrockabrand@sbcoem.org>, "Troy, Robert" <rtroy@sbcoem.org>, "Tre Wharton (Tre.Wharton@c-ka.com)" <Tre.Wharton@c-ka.com>, "Connell, Michael@Wildlife" <Michael.Connell@wildlife.ca.gov>, Ryan P Andersen <RPAnderсен@paalp.com>, wade.bryant@c-ka.com, Christopher J Lauer <CJLauer@paalp.com>,

tom.crosby@stantec.com, "Boggs, Melissa@Wildlife" <Melissa.Boggs@wildlife.ca.gov>, "refugiodocl@gmail.com" (refugiodocl@gmail.com)" <refugiodocl@gmail.com>, RefugioSITL@gmail.com

Subject: Re: Section 5 Monitoring Plan

Hi Ryan and Robert-

I believe Santa Barbara County was the one who wanted a storm event over 3.5 inches in one day put into this plan. Could you answer Patrick's question for him since I do not know the answer?

Jennifer

On Sep 1, 2015, at 7:54 PM, Patrick D Hodgins <PDHodgins@paalp.com> wrote:

Question.

When was the last time the area had 3.5 inches of rain in a single day?

How does that compare to 100 year or 500 year event data?

Patrick D. Hodgins

Senior Director Safety & Security

Plains All American

333 Clay, Suite 1600

Houston, Texas 77002

713-646-4152 - office

281-467-3658 - cell

pdhodgins@paalp.com

<image001.png>

From: Gold, Jennifer@Wildlife [<mailto:Jennifer.Gold@wildlife.ca.gov>]
Sent: Tuesday, September 01, 2015 9:59 AM
To: jennifer.f.williams@uscg.mil; waldon.margaret@epa.gov; Corbo, Christian@Wildlife;
Crossland, Mark@Wildlife; rrockabrand@sbcoem.org; RTROY@SBCOEM.ORG; Patrick D
Hodgins
Cc: Tre Wharton (Tre.Wharton@c-ka.com); Connell, Michael@Wildlife; Ryan P Andersen;
wade.bryant@c-ka.com; Christopher J Lauer; tom.crosby@stantec.com; Boggs,
Melissa@Wildlife; 'refugiodocl@gmail.com' (refugiodocl@gmail.com);
RefugioSITL@gmail.com
Subject: Section 5 Monitoring Plan

Hello unified command-

Here is the Section 5 monitoring plan for your review and comments. Please respond back to the full group regarding your approval of this plan. This plan has already gone out to various stakeholders for their review, comments and approvals. At this point the Water Board, Santa Barbara County Planning and Development, Coastal Commission, Santa Barbara County EHS and myself have approved this plan. Please review this plan at your earliest convenience. I am hoping we can get unified command's approval before tomorrow's unified command meeting at 10 am. Thanks

Jennifer

Jennifer Gold

California Department of Fish and Wildlife,

Office of Spill Prevention and Response (OSPR)

Scientific, Field Response Team

Cell Phone- (805) 450-8695

1933 Cliff Dr. Suite 9, Santa Barbara, Ca 93109

Jennifer.Gold@wildlife.ca.gov

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